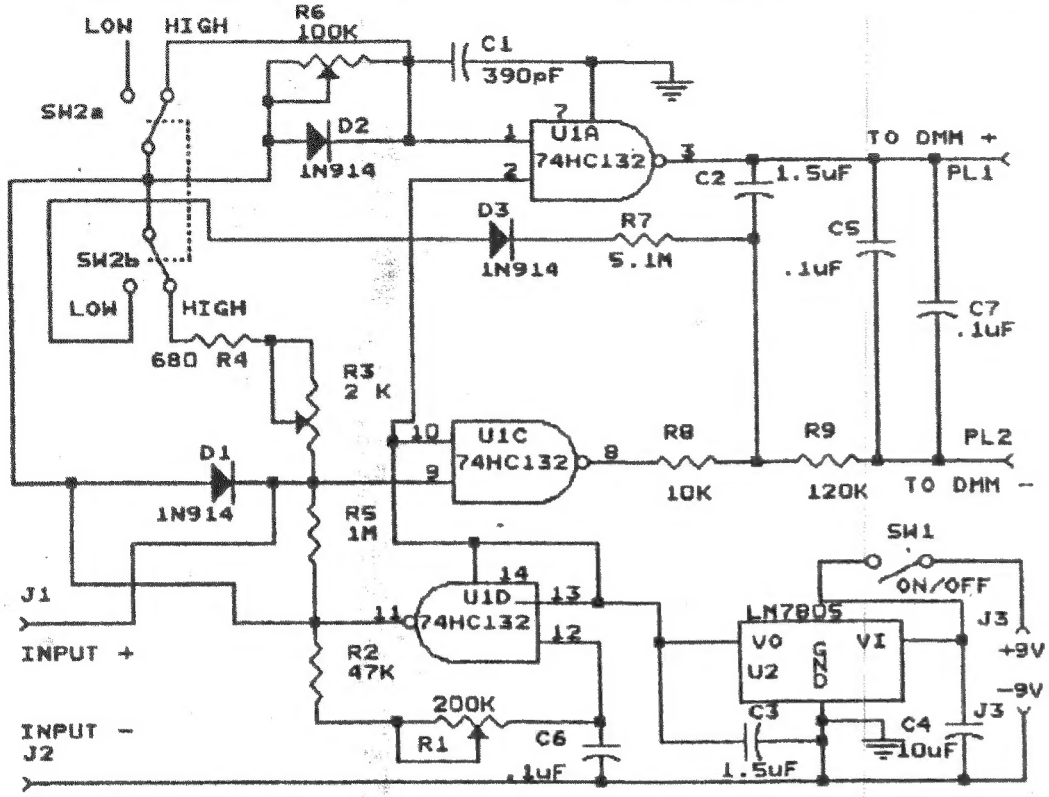
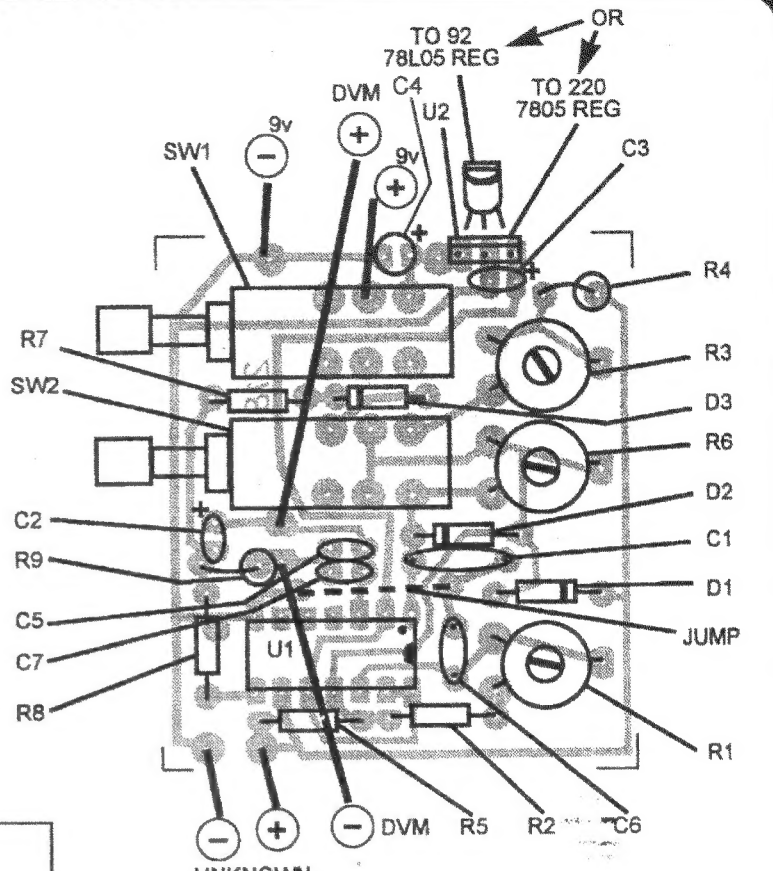
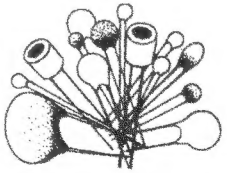




R1	200K TRIM POT	C1	390 or 391pF MONO OR MICA
R2	47K RES (YEL VIO ORA)	C2 C3	1.0 OR 1.5uF TANTALUM
R3	2K TRIM POT	C4	10uF ALUM ELECT
R4	680 OHM RES (BLU GRA BRN)	C5 C6 C7	.1uF MONO (104 OR .1)
R5	I MEG (BRN BLK GRN)	D1 D2 D3	IN914 OR IN4148 DIODES
R6	100K TRIM POT	SW1 SW2	PC MOUNT PUSH SWITCHES
R7	5.1 MEG RES (GRN BRN GRN)	U1	74HC132 QUAD SCHMITT TRG
R8	10K RES (BRN BLK ORG)	U2	LM7805 OR LM78L05 VOLTAGE REG
R9	120K RES (BRN RED YEL)	J1 J2	INPUT JACKS
PC BOARD	080-00218	J3	9 VOLT BATTERY CONN.

SW1	POWER (IN ON)
SW2	RANGE (IN HIGH)
R1	LOW CALIBRATE
R3	HI CALIBRATE
R6	ZERO (LOW RANGE)



ASSEMBLY INSTRUCTIONS

INSTALL THE FIXED RESISTORS, U1 AND U2 - WATCH ORIENTATION OF IC'S
INSTALL THE POTS, CAPACITORS, AND THE SWITCHES - WATCH C4 POLARITY
INSTALL THE BATTERY CONNECTOR AND CONNECT THE INPUT CONNECTOR
YOU MUST SUPPLY THE OUTPUT CONNECTORS THAT MATCH YOUR DMM
THIS COMPLETES ASSEMBLY OF YOUR KIT. CHECK YOUR WORK CAREFULLY NOW!

INSTALL TEST AND CALIBRATION

CONNECT YOUR COMPLETED KIT TO YOUR DMM AND SET DMM TO THE 2V - RANGE
CONNECT A 9v ALKALINE BATTERY AND TURN ON POWER SWITCH. SET THE
RANGE SWITCH (SW2) TO LOW (OUT). ADJUST R6 TO A READING OF ZERO.
CONNECT THE 1000pF CAP ACROSS THE INPUT CONNECTOR. ADJUST R1 FOR A
READING OF 1.000 V. SET SW2 TO HIGH (IN). CONNECT A 1.0 uF CAP TO THE INPUT
TERMINALS. ADJUST R3 FOR A READING OF 1.000V.

JAMECO®
ELECTRONIC COMPONENTS
COMPUTER PRODUCTS
1355 Shoreway Road
Belmont CA 94002
650-592-8097

CA-1 158001

Capacitance Adapter

10/27/98